AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of inhibiting or effecting the activity of a <u>G-Protein</u> Coupled Receptor (GPCR) GPCR which comprises contacting a GPCR with a compound of general formula 1, or a pharmaceutically acceptable salt thereof

$$R_5X$$
 Q
 ZR_1
 XR_2
 XR_3

General Formula I

Wherein wherein the ring may be of any configuration;

Z is selected from the group consisting of: sulphur, oxygen, and or NR^A wherein R^A is selected from the set defined for R_1 to R_5 or C1 to C15 acyl, C4 to C15 arylacyl or C4 to C15 heteroarylacyl, with the proviso that both R_1 and R^A are not hydrogen,

X is selected from the group consisting of: oxygen and Θr NR^A providing that: i) X of XR₂ is NR^A, ii) X of XR₃ is oxygen and R₃ is not hydrogen, iii) X of R₄ is oxygen or NR^A, and X of XR₅ is oxygen, wherein at least one of OR₄ and OR₅ is OH at least one X of General Formula I is NR^A,

 R_1 to R_5 are independently selected from the group consisting of: H, C1 to C12 alkyl, C1 to C12 alkenyl, C1 to C12 alkynyl, C1 to C12 heteroalkyl, C4 to C15 aryl, C4 to C15 heteroaryl, C4 to C15 arylalkyl and or C4 to C15 heteroarylalkyl-substituent,

wherein, when X is NR^A , both R^A and the corresponding R_1 to R_5 are R_2 or R_4 is not hydrogen.

- 2. (Currently Amended) The method of claim 1, wherein any one of R^A or R₁ to R₅ is substituted with a moiety selected from the group consisting of: OH, NO, NO₂, NH₂, N₃, halogen, CF₃, CHF₂, CH₂F, nitrile, alkoxy, aryloxy, amidine, guanidiniums, carboxylic acid, carboxylic acid ester, carboxylic acid amide, aryl, cycloalkyl, heteroalkyl, heteroaryl, aminoalkyl, aminodialkyl, aminotrialkyl, aminoacyl, carbonyl, substituted or unsubstituted imine, sulfate, sulfonamide, phosphate, phosphoramide, hydrazide, hydroxamate, hydroxamic acid, heteroaryloxy, aminoaryl, aminoheteroaryl, thioalkyl, thioaryl and or thioheteroaryl.
- 3. (Currently Amended) The method of claim 1, wherein the compound is

$$R_5X$$
 O
 ZR_1
 Y
 XR_2
 XR_3

General Formula II.

4. (Currently Amended) The method of claim 1, wherein the compound is

$$R_5X$$
 A
 XR_2

General Formula III

Wherein wherein A is selected from the group consisting of: $N(R^A)R_1$, SR_1 , or OR_1 .

5. (Currently Amended) The method of claim 1, wherein the compound is

General Formula IV.

6. (Currently Amended) The method of claim 1, wherein the compound is

General Formula V.

7. (Currently Amended) The method of claim 1, wherein the compound is

$$R_5O$$
 NH_2
 NH_2
 NH_2
 $N(R^A)R_2$

General Formula VI.

8. (Currently Amended) The method of claim 1, wherein the compound is

General Formula VII.

9. (Currently Amended) The method of claim 1, wherein the compound is

General Formula VIII.

10. (Currently Amended) The method of claim 1, wherein the compound is

General Formula IX.

11. (Currently Amended) The method of claim 1, wherein the compound is

General Formula X.

12. (Currently Amended) The method of claim 1, wherein the compound is

General Formula XI.

13. (Currently Amended) The method of claim 1, wherein the compound is

General Formula XII.

- 14 (Original) The method of claim 1, wherein the receptor is a somatostatin receptor.
- 15. (Original) The method of claim 1, wherein the receptor is a melanocortin receptor.
- 16. (Currently Amended) The method of claim 14, wherein the compound is

wherein R1, R2, R3 and R4 are selected from the group combinations of:

R1	R2	R3	R4
P1 '*	G1	P1	P7
P1	G2	P2	
P1	A3	P3	P7
	A3	P3	P7
$\frac{P2}{P2}$		P1	P7
$\frac{P3}{P2}$	G2		P7
$\frac{P3}{P2}$	A3	P1	P7
$\frac{P3}{P2}$	G3	P1	P7
$\frac{P3}{P2}$	A3	P3	P7
$\frac{P3}{P2}$	G2	P4	P7
P3	A3	P4	P7
P3	G3	P4	P7
P4	G2	P1	P7
<u>P4</u>	G2	P2	P7
P4	G3	P2	P7
<u>P4</u>	A3	P3	P7
<u>P4</u>	G2	P4	P7
<u>P4</u>	G3	P4	P7
<u>P6</u>	G2	P1	P7
<u>P1</u>	A3	P6	P7
<u>P2</u>	A3	P6	P7
<u>P2</u>	G3	P6	P7
<u>P3</u>	A3_	P6	P7
<u>P4</u>	A3	P6	P7
<u>P5</u>	A3	P6	P7
<u>P1</u>	A3	P1	P7
<u>P1</u>	G3	P1	P7
P1	G3	P2	P7
P1	G2	P3	P7
P1	G2	P4	P7
P1	A3	P4	P7
P1	G3	P4	P7
P2	G1	P1	P7
P2	G2	P1	P7
P2	A3	P1	P7
P2	G2	P2	P7
P2	A3	P2	P7
P2	G3	P2	P7

<u>P2</u>	G3	P3	P7
P2	A3	P4	P7
P2	G3	P4	P7
P4 ⁻	A3	P1	P 7
P4	G3	P1	P7
P4	A3	P2	P7
P4	G3	P3	P 7
P5	A3	P1	P 7
P5	G3	P1	P7
P5	A3	P2	P7
P5	A3	P4	P7
P5	G3	P4	P 7
P1	A3	P1	P7
P3	A3	P2	P 7
P4	A3	P4	P7

and wherein the groups A, P and G are <u>defined as follows</u> as <u>described in "Substituents per Example Libraries 1-14" in the specification</u>

17. (Currently Amended) The method of claim 15, wherein the compound is

wherein R1, R2, R3 and R4 are selected from the group combinations of:

R1	R2	R3	R4	MC4 inhibition at 10 micromolar
P1	G1	P1	P7	+
P3	G1	P1	P7	+
P3	G2	P1	P7	+
.P4	G2	P1	P7	+
P4	G2	P2	P7	+
P4	G3	P2	P7	+
P5	G1	P1	P7	+
P5	G2	P1	P7	+
P1	A3	P1	P7	+
P1	G3	P1	P7	+
P1	G3	P2	P7	+
P1	G2	P4	P7	+
P1	A3	P4	P7	+
P1	G3	P4	P7	+
P2	G1	P1	P7	+
P2	G2	P1	P7	+
P2	A3	P1	P7	+
P2	G2	P2	P7	+
P2	A3	P2	P7	+
P2	G3	P2	P7	+
P2	G3	P4	P7	+
<u>P4</u>	G3	P1	P7	+
P4	A3	P2	P 7	+
P5	G3	P1	P7	+
P1	A3	P1	P7	+

and wherein the groups P, G and A are <u>defined as follows</u> as <u>described in "Substituents per Example Libraries 1-14" in the specification</u>

18. (Currently Amended) The method of claim 15, wherein the compound is

wherein R1, R2, R3 and R4 are selected from the group combinations of:

R1	R2	R3	R4
P1	G1	P7	P1
P1	G2	P7	P1
P1	G3	P7	P1
P1	G1	P7	P2
P1	A3	P 7	P2
P1	G3	P 7	P2
P1	G1	P 7	P4
P1	G2	P 7	P4
P1.	A3	P 7.	P4
<u>P1</u>	G3	P7	P4

P2	G1_	P 7	P1
P2		P7	P1
P2	G2 A3	P7	P1.
P2	G3	P7	P1
P2	G1	P7	P2
P2	G2	P7	P2
P2	A3	P7	P2
P2	G3	P7	P2
P2	G1	P7	P4
P2	G2	P7	P4
P2	A3	P7	P4
P2	G3	P7	P4
P3	G3	P7	P1
P3	G1	P7	P2
P3	G3	P7	P4
<u>P4</u>	G1	P7	P1
P4	G2	P7	P1
P4	G3	P7	P1
P4	G1	P7	P2
P4	G2	P7	P2
P4	A3	P7	P2
P4	G3	P7	P2
P4	G1	P7	P4
P4	G2	P7	P4
P4	A3	P7	P4
P4	G3	P7	P4
P5	G1	P7	P1
P5	G2	P7	P1
P5	A3	P7	P1
P5	G3_	P7	P1
P5	G1	P7	P2
	G2	P7	P2
P5 P5 P5 P5	Ā3	P7	P2
P5	G3	P7	P2
P5	G1	P7	P4
P5	G2	P7	P4
P5	A3	P7 P7 P7 P7 P7	P4 P4
P5 P1	G3	P7	P4
P1	G1	P7	P6
P4	G2	P7	P6
P6	G1	P7	P1
P6	G2	P7	P1

<u>P6</u>	A3.	P 7	P1
P6	G3	P7	P2
P6	G2	P7	P2
P6	G3	P7	P2

and wherein the groups P, G and A are defined as follows as described in "Substituents per Example Libraries 1-14" in the specification

19. (Currently Amended) The method of claim 14, wherein the compound is

wherein R1, R2, R3 and R4 are selected from the group combinations of:

R1	R2	R3	R4
P1	G1	P7	P1
P1	G2	P7	P1

P1	G2	P7	P2
P1	A3	P7	P2
P2	A3	P7	P1
P2	A3 ·	P7	P2
P2	A3	P7	P4
P3	G1	P 7	P2
P3	A3	P7.	P4
P4	G2	P7	P1
P4	A3	P7	P1
P4	G3	P7	P1
P4	G1	P7	P2
P4	G2	P7	P2
P4	A3	P7	P2
P4	G3	P7	P2
P4	A3	P7	P3
P4	A3	P7	P4
P5	A3	P7	P1
P5	A3	P7	P2
P5	G3	P7	P2
P5	A3	P7	P4
P2	A3	P 7	P6
P4	A3	P7	P6
P6	A3	P7	P4

and wherein the groups P, G and A are <u>defined as follows</u> as <u>described in "Substituents per</u> Example Libraries 1-14" in the specification

20. (Currently Amended) The method of claim 15, wherein the compound is

wherein

R4, R2 and R3 are selected from the group combinations of:

R2	R3	R4
G1	P3	P3
	P3	Р3
A2 G2	P3	P3
G3	P3	P3
G1	P3	P3 P4 P4
G2	P3	P4
A3	P3	P4

G3	Р3	P4
	Р3	P1 .
$\frac{32}{A2}$	P3	P1
G1 A2 G2 A3 G3 A1 G1 A2 G2 A3 G3 G1 A2 G2	P3	P1
A3	P3	P1
G3	P3	P1
A1	P3	
<u>G1</u>	P3	P2 P2
A2.	P3	P2.
$\frac{112}{G2}$	P3	P2 P2
A3	P3 P3	P2
$\frac{713}{G3}$	P3	P2 P2 P3
G1	P3 P4	P3
<u>A2</u>	P4	P3
G2	P4	P3
$\frac{G2}{C3}$	P4	P3
G3 G1		P4
42	P4 P4	P4
$\frac{\overline{A2}}{C2}$	P4	P4
$\frac{G2}{C2}$	P4 P4	P4 P4
G3	P4	P4
A1	P4	P1
G2 G3 A1 G1 A2 G2	P4	P1
A2	P4	P1
<u>G2</u>	P4	P1
A3	P4	P1
G3	P4	P1
<u>A1</u>	P4	P2
<u>G1</u>	P4	P2
A2	P4	P2
<u>G2</u>	P4	P2
<u>A3</u>	P4	P2
<u>G3</u>	P4	P2
<u>A1</u>	P1	P3
<u>G1</u>	P1	P3
<u>A2</u>	P1	P3
<u>G2</u>	P1	P3
G1 A2 G2 A3 G3	P1	P3
G3	P1	P3
A1	P1	P4
G1	P1_	P4
A2	P1	P4
G2	P1	P4

<u>A3</u>	P1	P4
G3	P1	P4
A1	P1	P1
G1	P1	P1
A2	P1	P1
G2	P1	P1
A3	P1	P1
A1	P1	P2
G1	P1	P2
A2	P1	P2
G2	P1	P2
A3	P1	P2
G3	P1 .	P2
A1	P2	P3
G1	P2 P2 P2 P2	P3
G2	P2	P3
A3	P2	P3
G3 A1 G1 A2 G2 A3 A1 G1 A2 G2 A3 G3 A1 G1 G2 A3 G3 A1 G1 G2 A3 G3 A1 G1 A2	P2	P2 P2 P2 P2 P2 P2 P3 P3 P3 P3 P4 P4 P4
A1	P2 P	P4
G1	P2	P4
A2	P2	P4
G2	P2	P4
A3	P2	P4
G2 A3 G3 A1 G1 A2 G2 A3 G3 A1	P2	P4 P4 P1
A1	P2	P1
G1	P2	P1
A2	P2	P1
G2 .	P2	P1
A3	P2	P1
G3	P2	P1
A1	P2 P2	P2
G1	P2	P2
G1 A2	P2	P2
G2	P2	P2

and wherein the groups P, G and A are <u>defined as follows</u> as <u>described in "Substituents per Example Libraries 1-14" in the specification</u>

21 (Currently Amended) The method of claim 14, wherein the compound is

wherein R4, R2 and R3 are selected from the group combinations of:

R2	R3	R4
A1	P3	P3
G1	Р3	Р3
A2	Р3	Р3
G2	P3	Р3
A3	P3	Р3
G3	P3	Р3
A1	P3	P4.
G1	P3	P4
A2	P3	P4
G2	P3	P4

<u>A3</u>	P3	P4
G3		P4
A1	P3	P4 P1 P1
G1	Р3	P1
A2	P3	P1
G2	P3	P1 P1
A3	P3	P1
G3	P3	P1
A1	P3	P2
G1	P3	P2
G3 A1 G1 A2 G2 A3 G3 A1	P3 P	P1 P1 P2 P2 P2 P2 P2 P3 P3 P3 P3 P3 P4 P4 P4 P4 P4 P1
G2	P3	P2
A3	P3	P2
G3	P3	P2
A1	P4	P3
G1	P4	P3
A2	P4	P3
G2	P4	P3
A3	P4	P3
G3	P4	P3
A1	P4	P4
G1	P4	P4
A2	P4	P4
G2	P4	P4
A3	P4	P4
G3	P4	P4
A1	P4	P1
G1	P4	P1
A2	P4	P1
G2	P4	P1
A 3	P4	P1
G3 A1	P4 P4	P1
<u>A1</u>	P4	P2
G1	P4	P2
<u>A2</u>	P4 P4	P2
G2	P4	P2
<u>A3</u>	P4	P2
G1 A2 G2 A3 G3 A1 G1	P4	P2 P2 P2 P2 P2 P2 P2
<u>A1</u>	P1	P3
G1	P1	P3
$\frac{\overline{A2}}{\overline{C2}}$	P1	P3
G2	P1	P3

	_	
<u>A3</u>	P1	P3
A3 G3 A1 G1 A2 G2 A3 G3 A1 G1 A2 G2 A3 G3 A1 G1 A2 G2 A3	P1 .	P3
A1	P1	P4
G1	P1 P1	P3 P4 P4 P4 P4 P1 P1 P1 P1
A2	P1	P4
G2	P1	P4
A3	P1	P4
G3	P1 P1 P1 P1 P1 P1	P4
A1	P1	P1
G1	P1	P1
A2	P1	P1
G2	P1	P1
A3	P1	P1
G3	P1	P1
A1	P1	P2
G1	P1	P2
A2	P1 ·	P2
G2	P1	P2
A3	P1	P2
G3	P1	P2
A1	P2	P3
G3 A1 G1 A2 G2 A3 G3 A1 G1	P1 P1 P1 P2 P2 P2 P2	P1 P2 P2 P2 P2 P2 P2 P3 P3 P3 P3
A2	P2	P3
A2 G2	P2	P3
A3	P2	P3
<u>G3</u>	P2 P2 P2 P2	P3 P4 P4 P4
A1	P2	P4
G1	P2	P4
A2	P2	P4
G2	P2	P4
A3	P2	P4
G3	P2	P4
A1	P2	P4 P1
G1	P2	P1
A2 .	P2	P1
G2	P2	P1
A3	P2	P1
G3 A1 G1 A2 G2 A3 G3 A1	P2 P2 P2 P2 P2 P2 P2 P2 P2 P2	P1 P1 P1 P1 P1
<u>A1</u>	P2	P2 P2
G1	P2	P2
A2	P2 P2	P2 P2
G2	P2 .	P2

and wherein the groups P, G and A are <u>defined as follows</u> as <u>described in "Substituents per Example Libraries 1-14" in the specification</u>

22. (Currently Amended) The method of claim 15, wherein the compound is

wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
<u>P3</u>	G1	P3

P3	G2	P3
P3	G3	P3
P3 ·	A1	P4
P3	G1	P4
P3	A2	P4 ·
P3	G2	P4
P3	A3	P4
P3	G3	P4
P3	A1	P1
P3	G1	P1
P3	A2	P1
P3	G2	P1 .
P3	A3	P1
P3 .	G3	P1 ·
P3	G1	P2
P3	A2	P2
P3	G2	P2
P3	A3	P2
P3	G3	P2
P4	G1	P3
P4	G2	P3
P4 P4	G3	P3
P4	A1	P4
P4	G1	P4
P4	A2	P4
P4	G2	P4
P4	A3	P4
P4	G3	P4
P4	A1	P1
P4	G1	P1
P4	A2	P1
P4	G2	P1
P4	A3	P1
P4	G3	P1
P4	A1	P2
P4	G1	P2
P4	A2	P2
P4	G2	P2
P4	A3	P2
P4	G3	P2
P5	G1	P3
<u>P5</u>	G2	P3

P5 G1 P4 P5 G2 P4 P5 G2 P4 P5 G3 P4 P5 G3 P4 P5 G1 P1 P5 G1 P1 P5 G2 P1 P5 G3 P1 P5 G3 P1 P5 G1 P2 P5 G1 P2 P5 G1 P2 P5 G1 P2 P5 G2 P2 P5 G1 P2 P5 G2 P2 P5 G2 P2 P5 G2 P2 P5 G2 P2 P5 G3 P2 P5 G3 P2 P6 G3 P2 P2 G1 P4 P2 G3 P4 P2 G3 P4 P2 G3 P1 P2 G3 P1	P5	G3	P3
P5 G2 P4 P5 A3 P4 P5 G3 P4 P5 G1 P1 P5 G1 P1 P5 G2 P1 P5 G2 P1 P5 G3 P1 P5 G1 P2 P5 G1 P2 P5 G2 P2 P5 G2 P2 P5 G2 P2 P5 G2 P2 P5 G3 P2 P6 G1 P3 P2 G1 P4 P2 G2 P4 P2 G3 P4 P2 G1 P1 P2 G2 P1 P2 G3 P1 P2 G3 P1 P2 G3 P1	P5		P4
P5 A3 P4 P5 G3 P4 P5 A1 P1 P5 G1 P1 P5 A2 P1 P5 G2 P1 P5 A3 P1 P5 G3 P1 P5 G1 P2 P5 G1 P2 P5 G1 P2 P5 G2 P2 P5 G3 P2 P5 G3 P2 P6 G3 P4 P2 G3 P4 P2 G1 P1 P2 G2 P1 P2 G3 P1	P5	A2	P4
P5 G3 P4 P5 A1 P1 P5 G1 P1 P5 G2 P1 P5 G2 P1 P5 G3 P1 P5 G3 P1 P5 G1 P2 P5 G1 P2 P5 G2 P2 P5 G2 P2 P5 G2 P2 P5 G2 P2 P5 G3 P2 P6 G3 P2 P7 P4 P2 P2 G3 P4 P2 G1 P1 P2 G2 P1 P2 A3 P1	P5	G2	P4
P5 A1 P1 P5 G1 P1 P5 A2 P1 P5 G2 P1 P5 A3 P1 P5 A1 P2 P5 A1 P2 P5 A2 P2 P5 A3 P2 P2 B3 P4 P2 A3 P4 P2 A2 P1 P2 A3 P1	P5	A3	P4
P5 G1 P1 P5 A2 P1 P5 G2 P1 P5 G3 P1 P5 G3 P1 P5 A1 P2 P5 G1 P2 P5 A2 P2 P5 G2 P2 P5 A3 P2 P5 G3 P2 P5 G3 P2 P5 G3 P2 P2 G1 P3 P2 G2 P3 P2 G1 P4 P2 G3 P4 P2 G3 P4 P2 G1 P1 P2 A2 P1 P2 A3 P1 P2 A1 P2	P5	G3	P4
P5 A2 P1 P5 G2 P1 P5 A3 P1 P5 G3 P1 P5 A1 P2 P5 G1 P2 P5 A2 P2 P5 A2 P2 P5 A2 P2 P5 A3 P2 P5 A3 P2 P5 A3 P2 P2 G1 P3 P2 A2 P3 P2 G1 P4 P2 G2 P4 P2 A3 P4 P2 A2 P1 P2 A2 P1 P2 A3 P1 P2 A3 P1 P2 A3 P1 P2 A1 P2		A1	P1
P5 G2 P1 P5 A3 P1 P5 G3 P1 P5 A1 P2 P5 G1 P2 P5 A2 P2 P5 A2 P2 P5 A3 P2 P5 A3 P2 P2 G1 P3 P2 A2 P3 P2 G2 P3 P2 G1 P4 P2 G2 P4 P2 A3 P4 P2 G1 P1 P2 A2 P1 P2 A3 P1 P2 A3 P1 P2 A3 P1 P2 A1 P2	P5		P1
P5 A3 P1 P5 G3 P1 P5 A1 P2 P5 G1 P2 P5 A2 P2 P5 A3 P2 P5 A3 P2 P5 A3 P2 P5 G3 P2 P2 G1 P3 P2 A2 P3 P2 G2 P3 P2 G1 P4 P2 G2 P4 P2 A3 P4 P2 G1 P1 P2 A2 P1 P2 A3 P1 P2 A3 P1 P2 A3 P1 P2 A3 P1 P2 A1 P2		A2	P1
P5 G3 P1 P5 A1 P2 P5 G1 P2 P5 G1 P2 P5 A2 P2 P5 G2 P2 P5 G3 P2 P5 G3 P2 P2 G1 P3 P2 A2 P3 P2 G2 P3 P2 G1 P4 P2 G2 P4 P2 A3 P4 P2 G2 P1 P2 A2 P1 P2 A3 P1 P2 A3 P1 P2 A3 P1 P2 A1 P2		G2	P1
P5 A1 P2 P5 G1 P2 P5 A2 P2 P5 G2 P2 P5 G3 P2 P5 G3 P2 P2 G1 P3 P2 A2 P3 P2 G2 P3 P2 G1 P4 P2 G2 P4 P2 G3 P4 P2 G1 P1 P2 A2 P1 P2 A3 P1 P2 A3 P1 P2 A3 P1 P2 A3 P1 P2 A1 P2			P1
P5 G1 P2 P5 A2 P2 P5 G2 P2 P5 G3 P2 P5 G3 P2 P5 G3 P2 P2 G1 P3 P2 A2 P3 P2 G2 P3 P2 G1 P4 P2 G2 P4 P2 A3 P4 P2 G1 P1 P2 A2 P1 P2 A3 P1 P2 A3 P1 P2 A3 P1 P2 A3 P1 P2 A1 P2	P5	G3	P1
P5 A2 P2 P5 G2 P2 P5 A3 P2 P5 G3 P2 P2 P3 P2 A2 P3 P2 G2 P3 P2 G1 P4 P2 G2 P4 P2 A3 P4 P2 G3 P4 P2 G1 P1 P2 A2 P1 P2 A3 P1 P2 A3 P1 P2 A1 P2		A1	P2
P5 A2 P2 P5 G2 P2 P5 A3 P2 P5 G3 P2 P2 P3 P2 A2 P3 P2 G2 P3 P2 G1 P4 P2 G2 P4 P2 A3 P4 P2 G3 P4 P2 G1 P1 P2 A2 P1 P2 A3 P1 P2 A3 P1 P2 A1 P2	P5		
P5 G2 P2 P5 A3 P2 P5 G3 P2 P2 G1 P3 P2 A2 P3 P2 G2 P3 P2 G1 P4 P2 G2 P4 P2 A3 P4 P2 G3 P4 P2 G1 P1 P2 A2 P1 P2 A3 P1 P2 A3 P1 P2 A1 P2	P5	A2	P2
P5 G3 P2 P2 G1 P3 P2 A2 P3 P2 G2 P3 P2 G1 P4 P2 G2 P4 P2 A3 P4 P2 G3 P4 P2 G1 P1 P2 A2 P1 P2 A3 P1 P2 A3 P1 P2 A1 P2	P5	G2	P2
P2 G1 P3 P2 A2 P3 P2 G2 P3 P2 G1 P4 P2 G2 P4 P2 A3 P4 P2 G3 P4 P2 G1 P1 P2 A2 P1 P2 G2 P1 P2 A3 P1 P2 G3 P1 P2 A1 P2	P5	A3	P2
P2 A2 P3 P2 G2 P3 P2 G1 P4 P2 G2 P4 P2 P4 P4 P2 P4 P4 P2 P4 P1 P2 P1 P1 P2 P1 P2	P5	G3	P2
P2 G2 P3 P2 G1 P4 P2 G2 P4 P2 A3 P4 P2 G3 P4 P2 G1 P1 P2 A2 P1 P2 G2 P1 P2 A3 P1 P2 G3 P1 P2 A1 P2			P3
P2 G1 P4 P2 G2 P4 P2 A3 P4 P2 G3 P4 P2 G1 P1 P2 A2 P1 P2 G2 P1 P2 A3 P1 P2 G3 P1 P2 A1 P2		A2	P3
P2 G2 P4 P2 A3 P4 P2 G3 P4 P2 G1 P1 P2 A2 P1 P2 G2 P1 P2 A3 P1 P2 G3 P1 P2 A1 P2		G2	P3
P2 A3 P4 P2 G3 P4 P2 G1 P1 P2 A2 P1 P2 G2 P1 P2 A3 P1 P2 G3 P1 P2 A1 P2		G1	P4
P2 G3 P4 P2 G1 P1 P2 A2 P1 P2 G2 P1 P2 A3 P1 P2 G3 P1 P2 A1 P2		G2	P4
P2 G1 P1 P2 A2 P1 P2 G2 P1 P2 A3 P1 P2 G3 P1 P2 A1 P2		A3	P4
P2 A2 P1 P2 G2 P1 P2 A3 P1 P2 G3 P1 P2 A1 P2		G3	P4
P2 G2 P1 P2 A3 P1 P2 G3 P1 P2 A1 P2			P1
P2 A3 P1 P2 G3 P1 P2 A1 P2		A2	P1
P2 G3 P1 P2 A1 P2			P1
P2 A1 P2	P2	A3	P1
		G3	P1
P2 G1 P2	P2	A1	P2
	P2		P2
P2 G2 P2		G2	P2
P2 G3 P2	P2	G3	P2

and wherein the groups P, G and A are <u>defined as follows</u> as <u>described in "Substituents per Example Libraries 1-14" in the specification</u>

23. (Currently Amended) The method of claim 14, wherein the compound is

wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
P3	A1	P3
P3	G1	P3
P3	A2	Р3
P3 P3 P3	G2	P3
P3	A3	P3

	1	<u> </u>
<u>P3</u>	G3	P3
<u>P3</u>	A1	P4
<u>P3</u>	G1	P4
<u>P3</u>	A2	P4
<u>P3</u>	G2	P4
<u>P3</u>	A3	P4
<u>P3</u>	G3	P4
<u>P3</u>	A1	P1
P3	G1	P1
P3	A2	P1
P3	G2	P1
P3	A3	P1
P3	G3	P1
P3	A1	P2
P3	G1	P2
P3	A2	P2
P3	G2	P2
P3	A3	P2
P3	G3	P2
P4	G1	P3
P4	A2	P3
P4	G2	P3
P4	A3	P3
P4	G3	P3
P4	A1	P4
P4 .	G1	P4
P4	A2	P4
P4	G2	P4
P4	A3	P4
P4	G3	P4
P4		P1
P4	G1	P1
P4	A2	P1
P4		P1
P4	A3	P1
P4	G3	P1
P4	A1	P2
P4		P2

P5	A1	P3
P5	A2	P3
P5	G2	P3
P5	A3	P3
P5	G3	P3
P5	A1	P4
P5	G1	P4
P5	A2	P4
P5	G2	P4
P5	A3	P4
P5	G3	P4
P5	A1	P1
P5	G1	P1
P5	A2	P1
P5	G2	P1
P5	A3	P1
P5	G3	P1
	A1	
P5 P5	G1	P2
		P2
P5	A2	P2
P5	G2	P2
P5	A3	P2
P5	G3	P2
P2	A1	P3
P2	G1	P3
P2	A2	P3
P2	G2	P3
P2	A3	P3
P2	G3	P3
<u>P2</u>	A1	P4
P2	G1	P4
<u>P2</u>	A2	P4
<u>P2</u>	G2	P4 ·
<u>P2</u>	A3	P4
<u>P2</u>	G3	P4
<u>P2</u>	A1	P1
<u>P2</u>	G1	P1
<u>P2</u>	A2	P1
<u>P2</u>	G2	P1
<u>P2</u>	A3	P1
<u>P2</u>	G3	P1
P2	A1	P2 :

P2	G1	P2
P2	A2	P2
P2	G2	P2
P2	A3	P2
P2	G3	P2

and wherein the groups P, G and A are <u>defined as follows</u> as <u>described in "Substituents per Example Libraries 1-14" in the specification</u>

24. (Currently Amended) The method of claim 15, wherein the compound is

wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3 .	
P3	N4.	E2	
P3	N4	E4	
P3	N4	E 6	
P3 P4 P4	N4	E2	
P4	N4	E4	

and wherein the groups P, N and E are defined as follows as described in "Substituents per Example Libraries 1-14" in the specification

25. (Currently Amended) The method of claim 14, wherein the compound is

wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
٠.		
P3	N4	E5
P3	N4 -	E6
P4	N4	E1
P4 P4 P4	N4	E2 E5
P4	N4	E5

and wherein the groups P, N and E are <u>defined as follows</u> as <u>described in "Substituents per Example Libraries 1-14" in the specification</u>

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26. (Currently Amended) The method of claim 15, wherein the compound is

R1	R2	R3
E2	N4	P3
E4	N4	Р3
E6	N4	P3
E4	N4	P4
E5	N4	P4
E6	N4	P4

and wherein the groups P, N and E are defined as follows as described in "Substituents per

Example Libraries 1-14" in the specification

27. (Currently Amended) The method of claim 14, wherein the compound is

R1	R2	R3
E1	N4	P3
E5	N4	P3
E6	N4	P3
E1	N4	P4
E2	N4	P4
E5	N4	P4

and wherein the groups P, N and E are <u>defined as follows</u> as <u>described in "Substituents per Example Libraries 1-14" in the specification</u>

28. (Currently Amended) The method of claim 15, wherein the compound is

R1	R2	R3
E2	P3	N4
E4	P3	N4
E6	P3	N4
E1	P4	N4
E6	P4	N4

and wherein the groups E, P and N are defined as follows as described in "Substituents per

Example Libraries 1-14" in the specification

29. (Currently Amended) The method of claim 14, wherein the compound is

R1	R2	R3
E1	P3	N4
E2	P3	N4
E5	P3	N4 .
E6	P3	N4
E1	P4	N4

and wherein the groups E, P and N are <u>defined as follows</u> as <u>described in "Substituents per Example Libraries 1-14" in the specification</u>

$$\begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \\ \\ \\ \\ \end{array} \end{array}$$

30. (Currently Amended) The method of claim 15, wherein the compound is

·-¦α⁶્.

R1	R2	R3
<u>E1</u>	P3	N4
E2	P3	N4
E3	P3	N4
E5	P3	N4
E1	P4	N4
E2	P4	N4
E3	P4	N4
E5	P4	N4

and wherein the groups E, P and N are <u>defined as follows</u> as <u>described in "Substituents per</u> Example Libraries 1-14" in the specification

31. (Currently Amended) The method of claim 14, wherein the compound is

wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
E5	P3	N4
E6	P3	N4
E1	P4	N4
E2	P4	N4
E5	P4	N4

and wherein the groups E, P and N are <u>defined as follows</u> as <u>described in "Substituents per Example Libraries 1-14" in the specification</u>

$$\begin{array}{c} \begin{array}{c} \begin{array}{c} \\ \\ \\ \\ \\ \end{array} \end{array}$$

32. (Currently Amended) The method of claim 15, wherein the compound is

wherein R1, R2 and R3 are selected from the group combinations of:

D.1	Da	ma
R1	R2	R3
P4	E8	P2
P4	E9	P2
P4	E10	P2
P4	G1	P2
P4	E8	P2
P4	E9	P2
P4	E11	P2
P4	G1	P2

and wherein the groups P, G and E are <u>defined as follows</u> as <u>described in "Substituents per Example Libraries 1-14" in the specification</u>

33. (Currently Amended) The method of claim 15, wherein the compound is

wherein R1, R2, R3 and R4 are selected from the group combinations of:

R1	R2	R3	R4
P2	A2	P4	P2
P2	A2	P4	P2
P2	A2	P4	P3
P2	A2	P4	P3
P2	A2	P4	P4
P2	A2	P4	P4
P2	A2	P2	P2

<u>P2</u>	A2	P2	P2
P2		P2	P3
P2	A2	P2	P4
P2 P2 P2	A2	P2 P2	P4
P2	A2	P3	P2
P2	A2	P3	P3 ·
P2 P2 P2 P2 P2 P2 P2 P2 P2 P2 P2	A2	P3	P4 P4 P2 P3 P4 P2 P2 P4 P4 P4 P4 P4 P4
P2	A2	P3	P4
P2	A3	P4	P2
P2	A3	P4	P2
P2	A3	P4	P4
P2	A3	P4	P4
P2	A3	P2	P2
P2	A3	P2	P4
P2	A3	P2	P4
P2 P2 P2 P2 P2 P2 P4	A3	P3	P2
P2	A3	P3	P2
P2	A3	P3	P3
P2	A3	P3	P4
P4	A2	P4	P3
P4 P4 P4 P4 P4 P4 P4 P4 P4	A2 A2 A2 A2 A3	P3 P3 P3 P4 P4 P4 P2 P2 P2 P3 P3 P3 P3 P3 P3 P3 P4 P4 P2 P2 P2 P2 P2 P2 P2 P2 P3 P3 P3	P2 P3 P4 P3 P4 P2 P3 P4 P4 P2 P3 P4 P4
P4	A2	P2	P2
P4	A2	P2	P3
<u>P4</u>	A2	P2	P3
P4	A2	P2	P4
<u>P4</u>	A2	P2	P4
<u>P4</u>	A2_	P3	P2
<u>P4</u>	A2	P3	P3
<u>P4</u>	A2 A2	P3	P4
P4	A3	P4	P2
<u>P4</u>	A3	P4	P3
<u>P4</u>	A3	P4	P4
<u>P4</u>	A3	P2 ·	P2
<u>P4</u>	A3	P2	P2
<u>P4</u>	A3_	P2	P3
<u>P4</u>	A3	P2	P3
<u>P4</u>	A3	P2	P4
<u>P4</u>	A3_		P4
<u>P4</u>	A3	P3	P2
P4	A3	P3	P4

and wherein the groups P, and A are <u>defined as follows</u> as <u>described in "Substituents per Example Libraries 1-14" in the specification</u>

34. (Currently Amended) The method of claim 15, wherein the compound is

wherein R1, R2, R3 and R4 are selected from the group combinations of:

R1	R2	R3	R4
P3	A2	P4	P2
P3	A2	P4	P3
P3	A2	P4	P4
P3	A2	P2	P2
P3	A2	P2	P3
P3	A2	P2	P4
P3	A2	Р3	P2

P3	A2	P3	P3
P3	A2	Р3	P4
P3	A3	P4	P2
P3	A3 A3	P4	P4
P3	A3	P2	P2
P3	A3	P2	P3
P3	A3	P2	P4
P3	A3 A3	P3	P2
P3_	A3	P3	P4
P2	A2	P4	P2
P2	A2 A2 A2	P4	P3
P2	A2	P4	P4
P2_	A2	P2	P2
P2	A2	P2	P3
P2	A2 A2 A2 A2 A2	P2	P4
P2	A2	P3	P2
P2	A2	P3	P3
P2	A2	P3	P4
P2	A3	P4	P2
P2	A3 - A3 - A3	P4	P3
P2	A3	P4	P4
P2	A3	P2	P2
P2	A3	P2	P3
P2	A3	P2	P4
P2	A3	P2 P3	P2
P2	A3	Р3	P3
P2	A3	P3	P4

and wherein the groups P, and A are <u>defined as follows</u> as <u>described in "Substituents per Example Libraries 1-14" in the specification</u>

35. (Currently Amended) The method of claim 15, wherein the compound is

wherein R1, R2, R3 and R4 are selected from the group combinations of:

R1	R2	R3.	R4
P3	G1	P4	P2
P3	G1	P4	P2
P3	G1	P4	P3
P3	G1	P4	P 3
P3	G1	P4	P4
P3	G1	P2	P2
P3	G1	P2	P2
P3	G1	P2	P3
P3	G1	P2	P4
P3	G1	P2	P4

P3	G1	P1	P2
P3	G1	P1	P3
P3	G1	P1	P3
P3	G1	P1	P4
P3	G1	P1	P4
P3	G2	P4	P2
P3	G2	P4	P2
P3	G2	P4	P3
P3	G2	P4	P3
P3	G2	P4	P4
P3	G2	P4	P4
P3	G2	P2	P2
P3	G2	P2	P3
P3	G2	P2	P3
P3	G2	P2	P4
P3	G2	P2	P4
P3	G2	P1	P2
P3	G2	P1	P2
P3	G2	P1	P3
P3	G2	P1	P4
P3	G2	P1	P4
P3	G2	P1	P5

and wherein the groups P, and G are <u>defined as follows</u> as <u>described in "Substituents per Example Libraries 1-14" in the specification</u>

36. (Currently Amended) The method of claim 15, wherein the compound is

wherein R1, R2, R3 and R4 are selected from the group combinations of:

R1	R2	R3	R4
P1	G1	P4	P2
P1	G1	P4	P3
P1	G1	P4	P4
P1	G1	P2	P3
P1	G1	P2	P4
P1	G1	P1	P3
P1	G1	P1	P4
P1	G2	P4	P2
P1	G2	P4	P3
P1	G2	P4	P4
P1	G2	P2	P2

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<u>P1</u>	G2	P2	P3
P1	G2	P2	P4
P1	G2	P1	P2
<u>P1</u>	G2	P1	P3
P ₁	G2	P1	P4
P4	G1	P4	P2
P4	G1	P4	P3
P4	G1	P4	P4
P4	G1	P2	P2
P4	G1	P2	P3
P4	G1	P2	P4
P4	G1	P1	P2
P4	G1	P1	P3
P4	G1	P1	P4
P4	G2	P4	P2
P4	G2	P4	P3
P4	G2	P4	P4
P4	G2	P2	P2
P4	G2	P2	P3
P4	G2	P2	P4
P4	G2	P1	P2
P4	G2	P1	P3
P4	G2	P1	P4
P1	G3	P3	P3

4,

and wherein the groups P, and G are <u>defined as follows</u> as <u>described in "Substituents per Example Libraries 1-14" in the specification</u>

37. (Currently Amended) The method of claim 15, wherein the compound is

wherein R1, R2 and R3 are selected from the group combinations of:

R1	R2	R3
A2	G4	P3
A2	G4	P12
A2	G4	P13
A2	G4	P1
<u>A2</u>	E1	P3
<u>A2</u>	E1	P4
A2	E1	P12
<u>A2</u>	E1	P13
<u>A1</u>	E1	P3
A1 ·	E1	P4

and wherein the groups P, A and E are <u>defined as follows</u> as <u>described in "Substituents per Example Libraries 1-14" in the specification</u>

38. (Currently Amended) A pharmaceutical formulation comprising a compound as claimed in claim 1 or a pharmaceutically acceptable salt thereof, together with one or more pharmaceutically acceptable carriers, diluents or excipients carrier diluent or excipient and a compound of general formula 1, or a pharmaceutically acceptable salt thereof

$$R_5X$$
 O
 ZR_1
 XR_2
 XR_3

General Formula I

wherein the ring may be of any configuration;

Z is selected from the group consisting of: sulphur, oxygen, and NR^A wherein R^A is selected from the set defined for R_1 to R_5 or C1 to C15 acyl, C4 to C15 arylacyl or C4 to C15 heteroarylacyl, with the proviso that both R_1 and R^A are not hydrogen,

X is selected from the group consisting of: oxygen and NR^A providing that: i) X of XR_2 is NR^A , ii) X of XR_3 is oxygen and R_3 is not hydrogen, iii) X of R_4 is oxygen or NR^A , and X of XR_5 is oxygen, wherein at least one of OR_4 and OR_5 is OH,

 R_1 to R_5 are independently selected from the group consisting of: H, C1 to C12 alkyl, C1 to C12 alkenyl, C1 to C12 alkynyl, C1 to C12 heteroalkyl, C4 to C15 aryl, C4 to C15 heteroaryl, C4 to C15 arylalkyl and C4 to C15 heteroarylalkyl substituent,

wherein, when X is NR^A, both R^A and the corresponding R₂ or R₄ is not hydrogen.

- 39. (New) The method according to claim 1 wherein XR₂ is NHR₂.
- 40. (New) The method according to claim 1 wherein XR₄ is OH.
- 41. (New) The method according to claim 1 wherein XR₃ and XR₅ are OR₃ and OR₅.
- 42. (New) The method according to claim 41 wherein XR₂ is NHR₂ and XR₄ is OH.